

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00629-6_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 9/20/2017
 [UPDATE] 3/9/2018
 [LUMCAT] C1216XT-10L-xxK-WD-EX-TCY-SO
 [LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
 [OTHER] Internal Reflector, Wide Beam
 [OTHER] Solite Lens, Flush with Lower Trim
 [OTHER] 72.2 Degree Beam Angle
 [OTHER] Aimed at 0 Degrees
 [LAMPCAT] N/A, 19mm LES
 [LAMP] N/A, 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	861
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9587	10380	9495
55	3490	3826	3692
65	2569	2747	2701
75	2874	2872	2870
85	2958	2655	2698

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582
5	1171.787	1191.994	1191.423	1194.427	1186.744	1162.156	1159.650	1140.352	1137.295	1119.316
10	1047.639	1078.977	1077.193	1089.203	1069.536	1029.666	1024.694	992.502	986.743	958.928
15	871.487	905.972	903.915	918.655	891.771	846.274	840.397	807.015	799.615	770.362
20	685.473	716.156	712.926	726.286	697.200	655.170	646.100	616.994	610.428	587.289
25	518.526	537.995	538.437	544.102	521.844	488.729	477.306	458.823	448.853	437.046
30	386.581	401.776	401.818	407.989	388.564	364.018	359.709	342.454	338.714	323.196
35	279.537	294.811	290.478	300.785	283.712	257.354	254.379	237.242	237.071	220.235
40	179.071	192.174	186.442	192.989	179.807	156.833	150.877	140.552	136.642	128.252
45	96.724	106.121	104.722	104.842	95.792	83.679	82.427	74.504	69.717	66.974
50	49.672	54.170	55.782	55.206	49.849	45.591	44.041	40.661	40.319	37.843
55	28.558	30.616	31.313	32.601	30.218	27.976	27.177	25.966	26.610	25.675
60	20.380	20.805	21.032	21.788	20.745	20.176	20.469	19.919	20.542	19.625
65	15.489	16.765	16.563	16.607	16.285	17.047	17.446	17.421	16.794	16.807
70	13.771	13.122	13.974	13.585	13.435	14.757	15.570	15.040	15.113	15.184
75	10.612	10.670	10.607	10.843	10.597	14.091	13.920	13.119	13.228	13.850
80	7.369	7.976	7.436	8.160	7.589	12.195	11.597	11.948	11.452	11.241
85	3.679	3.651	3.302	3.890	3.355	7.354	7.814	7.428	7.068	7.764
90	0.775	0.341	0.746	0.418	0.946	3.634	2.983	4.734	2.730	4.855
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582	1206.582
5	1121.480	1108.901	1130.910	1147.409	1149.340	1169.684	1171.787
10	963.936	950.654	978.531	1008.237	1009.800	1039.044	1047.639
15	776.639	765.625	793.856	829.464	828.512	862.300	871.487
20	591.931	586.607	613.206	645.022	645.749	674.423	685.473
25	439.501	438.062	458.276	482.659	487.031	507.405	518.526
30	326.834	321.422	339.687	360.993	362.585	381.446	386.581
35	220.543	217.985	236.651	254.240	254.485	273.712	279.537
40	130.545	128.792	142.642	157.396	158.722	173.381	179.071
45	70.620	68.456	74.612	83.627	88.083	96.235	96.724

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES****CANDELA TABULATION - (Cont.)**

50	38.457	37.946	41.464	44.213	46.025	50.487	49.672
55	24.364	25.029	26.855	26.680	25.631	28.206	28.558
60	19.185	19.489	20.068	19.465	19.037	19.341	20.380
65	16.789	17.607	17.444	16.059	15.933	15.689	15.489
70	14.780	15.835	15.552	12.965	13.154	13.531	13.771
75	13.003	13.136	14.406	9.405	10.599	11.125	10.612
80	10.772	11.252	11.710	7.719	7.437	6.955	7.369
85	7.086	7.892	7.511	2.860	3.373	3.394	3.679
90	2.958	3.728	5.499	0.310	0.684	0.480	0.775
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	338.90	N.A.	39.30
0-30	565.68	N.A.	65.70
0-40	726.31	N.A.	84.30
0-60	825.01	N.A.	95.80
0-80	854.50	N.A.	99.20
0-90	860.69	N.A.	99.90
10-90	754.67	N.A.	87.60
20-40	387.42	N.A.	45.00
20-50	459.08	N.A.	53.30
40-70	115.49	N.A.	13.40
60-80	29.49	N.A.	3.40
70-80	12.69	N.A.	1.50
80-90	6.19	N.A.	0.70
90-110	0.61	N.A.	0.10
90-120	0.61	N.A.	0.10
90-130	0.61	N.A.	0.10
90-150	0.61	N.A.	0.10
90-180	0.61	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	861.30	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.01
10-20	232.88
20-30	226.78
30-40	160.64
40-50	71.66
50-60	27.03
60-70	16.80
70-80	12.69
80-90	6.19
90-100	0.61
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES

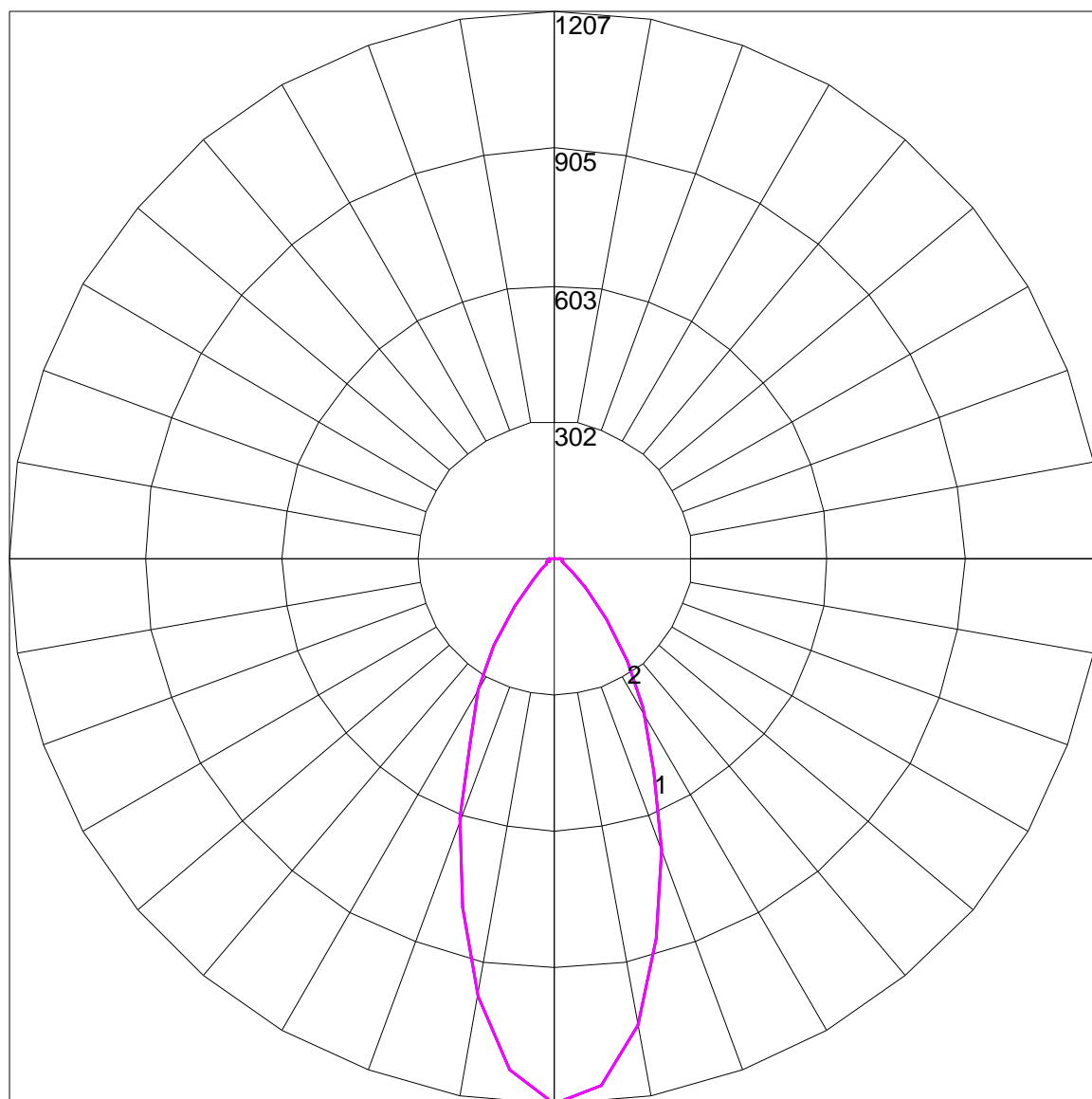
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	84
3	101	94	89	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76	82	78	75	80	77	74	72
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67
6	86	77	70	66	84	76	70	65	74	69	65	73	68	65	71	67	64	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55
9	74	64	58	54	73	64	58	54	63	57	54	62	57	53	61	56	53	52
10	71	61	55	51	70	60	55	51	59	54	51	59	54	50	58	53	50	49

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00629_6 ~ C1216XT-10LXXK-WDEX-TCY-SOXXMW.IES

POLAR GRAPH



Maximum Candela = 1206.582 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)